Patent

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Amended) A method for resensitizing non P-gp/non MRP S1-M1-3.2 multiple drug resistant cancer cells to treatment with with a chemotherapeutic agents agent to which said cancer cells have developed resistance comprising administration of an effective amount of a chemosensitizing reversal agent selected from compounds of Formula (I)

$$\begin{array}{c|c} R^{1} & \stackrel{R^{4}}{\longrightarrow} & \stackrel{R^{5}}{\longrightarrow} & \stackrel{N}{\longrightarrow} & \stackrel$$

wherein:

n is an integer of 0, 1, or 2;

R¹ is hydrogen or alkoxy of 1 to 10 carbon atoms;

R² is hydrogen or alkenyl of 2 to 10 carbon atoms;

R³ is hydrogen, alkyl of 1 to 10 carbon atoms, alkenyl of 2 to 10 carbon atoms,

 $R^7NH(CH2)v-or$

m is an integer of 1 to 6;

v is an integer of 1 to 4;

R⁴, R⁵ and R⁶ are hydrogen;

R⁷ is H or

R⁸ is selected from alkyl of 1 to 10 carbon atoms, -(CH₂)_mCO₂H,

Patent

$$--O-CH_2 \qquad \qquad and \qquad -(CH_2)_m \qquad \qquad ;$$

or a pharmaceutically acceptable salt thereof, Fumitremorgin A, Fumitremorgin B and Fumitremorgin C and a chemotherapeutic agent resistant to said cancer cells.

3-4. (Cancelled)

- 5. (Original) The method according to claim 2 wherein the chemotherapeutic agent is selected from the group consisting of mitoxantrone, doxorubicin and topotecan.
- 6. (Amended) The method of claim 3 claim 2 wherein the chemosensitizing reversal agent is administered prior to, concurrently with, or after administration of the chemotherapeutic agent.

7. (Canceled)

8. (Amended) A method for resensitizing BCRP-mediated multiple drug resistant cancer cells S1-M1-3.2 to treatment with with a chemotherapeutic agent agents to which said cancer cells have developed resistance comprising administration of an effective amount of a chemosensitizing reversal agent selected from compounds of Formula (I)

$$R^{1} \xrightarrow{N^{2}} R^{3} \xrightarrow{N^{3}} R^{6}$$

$$(I)$$

wherein:

n is an integer of 0, 1, or 2;

R¹ is hydrogen or alkoxy of 1 to 10 carbon atoms;

Patent

R² is hydrogen or alkenyl of 2 to 10 carbon atoms;

R³ is hydrogen, alkyl of 1 to 10 carbon atoms, alkenyl of 2 to 10 carbon atoms,

 $R^7NH(CH2)v-or$

m is an integer of 1 to 6;

v is an integer of 1 to 4;

R⁴, R⁵ and R⁶ are hydrogen;

 $\frac{R^7 \text{ is H or}}{Q}$

R8 is selected from alkyl of 1 to 10 carbon atoms, -(CH₂)_mCO₂H,

$$--O-CH_2 \xrightarrow{\qquad \qquad } \qquad \text{and} \qquad -(CH_2)_m \xrightarrow{\qquad \qquad } \qquad ;$$

or a pharmaceutically acceptable salt thereof, Fumitremorgin A, Fumitremorgin B and Fumitremorgin C and a chemotherapeutic agent resistant to said cancer cells.

9. (Cancelled)

10. (Amended) The method according to claim 9 claim 8 wherein the chemotherapeutic agent is selected from the group consisting of mitoxantrone, doxorubicin, and topotecan.

11. (Cancelled)

12. (Amended) The method according to elaim 11 claim 8 wherein the chemosensitizing reversal agent is administered prior to, concurrently with, or after administration of the chemotherapeutic agent.

13-28. (Canceled)

Patent

29. (Amended) A method of reversing BCRP or other non P-gp/non MRP mediated resistance of cancer cells to chemotherapeutic agents in a mammal which comprises administration of an effective amount of a chemosensitizing reversal agent selected from compounds of Formula (I)

wherein:

n is an integer of 0, 1, or 2;

R¹ is hydrogen or alkoxy of 1 to 10 carbon atoms;

R² is hydrogen or alkenyl of 2 to 10 carbon atoms;

 R^3 is hydrogen, alkyl of 1 to 10 carbon atoms, alkenyl of 2 to 10 carbon atoms, $R^7NH(CH2)v-or$

m is an integer of 1 to 6;

v is an integer of 1 to 4;

R⁴, R⁵ and R⁶ are hydrogen;

R⁸ is selected from alkyl of 1 to 10 carbon atoms, -(CH₂)_mCO₂H,

Patent

or a pharmaceutically acceptable salt thereof, Fumitremorgin A, Fumitremorgin B and

Fumitremorgin C to a mammal to said mammal in need thereof having a BCRP or other nonP-gp/non MRP mediated resistant cancer and a chemotherapeutic agent to which said cancer
cells are resistant.

- 30. (Cancelled)
- 31. (Original) The method according to claim 29 wherein the chemotherapeutic agent is selected from the group consisting of mitoxantrone, doxorubicin, and topotecan.
- 32. (Cancelled)
- 33. (Amended) The method according to elaim 32 claim 29 wherein the chemosensitizing reversal agent is administered prior to, concurrently with, or after administration of the chemotherapeutic agent.

34-63. (Canceled)